

S/194/61/000/012/032/097
D201/D303

AUTHORS: Minskiy, Ye. M. and Malykh, A. S.
TITLE: Applying fast digital computers to the exploitation of gas deposits
PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1961, 47, abstract 12B303 (Gaz. prom-st', 1961, no. 6, 29-32)

TEXT: One of the main problems in exploiting gas deposits is the choice of optimal disposition of bores at the area of the deposit, the disposition being determined by parameters which vary over the area. To solve this problem it is necessary to solve the general filtration problem with very complex boundary conditions at the bores and at the deposit edges. In this general form the problem cannot as yet be solved. Using a digital computer only simpler problems can be solved, pertaining to the operation of a single bore in conditions of axially symmetrical or rectilinear movement. Solutions of some axially symmetrical problems for varying field deposits

Card 1/3

S/194/62/000/004/007/105
D222/D309

On the method of ...

tionary regime to another. The *Стрела* (Strela) computer was used for the solution of some methodological problems. In the first problem the initial pressure in the pipe is given. The length of the pipeline is divided into 20 sections. In the second problem the outflow at the left end of the pipe is given in addition. The results of the calculations are tabulated. 6 figures. [Abstracter's note: Complete translation.]

S/194/62/000/004/007/105
D222/D309

AUTHORS: Minskiy, Ye. M., Maksimov, Yu. I. and Malykh, A. S.

TITLE: On the method of solving the problem of non-stationary movement of a gas in tubes, using high-speed computers

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 4, 1962, abstract 4-1-99ch (Tr. Vses. n.-i. in-t prirodn. gazov, 1961, no. 13 (21), 27-38)

TEXT: The methodology of solving problems in the calculation of complex systems of gas pipelines is worked out. The derivation of a finite difference equation for the pressure from a system of equations expressing the conservation of mass and the laws for the flow and state of the gas is given. The boundary conditions for the ends of the tubes are specified either in the form of pressures or as gas outflow. The error involved in the use of finite difference equations is analyzed, together with the error due to the use of a finite number of decimal digits. Several examples are given for the calculation of gas flow in tubes during the transition from one sta-

Card 1/2

MALYKH, A.A.

Report on the Third World Congress on the Prevention of Accidents
in Industry. Gig. 1 san. 26 no.11:82-83 N '61. (MIRA 14:11)
(INDUSTRIAL SAFETY--CONGRESSES)

MALYKH, A.A.

"Improvement of working conditions and industrial safety in coal preparation and coke shops" by IU.A. Gol'braikht. Reviewed by A.A. Malykh. Koks i khim. no.7:64 J1 '61. (MIRA 14:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov.
- (Coal preparation plants--Safety measures)
(Coke industry--Safety measures)
(Gol'braikht, IU.A.)

MALYKH, A.A.

Protection of metalworkers from radiant heat. Metallurg 6 no.6:
37-39 Je '61. (MIRA 14:5)

1. Sverdlovskiy institut okhrany truda.
(Metallurgical plants--Ventilation)
(Heat--Radiation and absorption)

MALYEN, A.

Be healthy, man of color! Odr. trade i sets, str/d. 4
no. 2:45 S '61. (1961)

(INDUSTRIAL ACCIDENTS--CONGRESSES)

MALYKH, A.

Put all potentialities into operation! Okhr. truda i sots.
strakh. 4 no. 2:12-16 F '61. (MIRA 14:2)

1. Direktor Sverdlovskogo instituta okhrany truda Vsesoyuznogo
tsentral'nogo soveta profsoyuzov.
(Sverdlovsk Province--Industrial hygiene)

MALYKH, Aleksandr Aleksandrovich; SPIRINA, Anna Maksimovna; NOVOPASSKIY,
V.V., red.; MALEK, Z.N., tekhn. red.

[Protection of workers from heat radiation] Zashchita rabochikh ot
luchistogo tepla. Moskva, Izd-vo VTsSPS Profizdat, 1961. 197 p.
(MIRA 14:10)

(INDUSTRIAL HYGIENE)

MALYKH, A.A.

Improve sanitary labor conditions for workers in metallurgical plants. Bezop. truda v prom. 3 no.11:9-10 N '59. (MIRA 13:3)

✓
1. Direktor Sverdlovskogo nauchno-issledovatel'skogo instituta okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov.
(Metallurgical plants--Safety measures)

MALYKH, A.A.

130-9-9/21

AUTHOR: Malykh, A.A. (Engineer)

TITLE: Mobile Platform for the Steel-Pouring Trench (Peredvizhnaya ploshchadka stalerazlivochnoy kanavy)

PERIODICAL: Metallurg, 1957, Nr 9, p.20 (USSR)

ABSTRACT: A brief account is given of a rail-mounted platform which can move along the top of the casting trench. The floor of the platform is heat-reflecting, polished metal protecting the four-men crew from the heat radiated by the hot ingots and ingot moulds. There is 1 figure.

ASSOCIATION: Sverdlovsk Scientific Research Institute of Labour Protection VTsSPS (Sverdlovskiy nauchno-issledovatel'skiy institut okhrany truda VTsSPS)

AVAILABLE: Library of Congress.

Card 1/1

Safety Measures in Open-hearth Furnace Shops

766

Various measures and administrative regulations are discussed which can be used to reduce the number of accidents. There are 61 references of which 60 are Soviet and 1 is English.

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Sanitary and hygienic requirements for Industrial buildings. The improvement of ventilation	6
Organization of rest areas for personnel	33
Drinking water supply	36
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Rest rooms, showers, and locker rooms (dressing rooms)	40
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Card 2/4

PHASE I BOOK EXPLOITATION 766

Malykh, Aleksandr Aleksandrovich, Spirina, Anna Maksimovna, and Smol'nikov,
Nikolay Ivanovich

Okhrana truda v martenovskikh tsekhakh (Safety Measures in Open-hearth Furnace Shops) Moscow, Metallurgizdat, 1957. 196 p. 3,100 copies printed.

Ed.: Raylo, P. I.; Ed. of Publishing House: Khutorskaya, Ye. S.; Tech. Ed.: Mikhaylova, V.V.

PURPOSE: This book is intended for engineers and technicians in metallurgical plants who are interested in, or deal with industrial safety problems. The book may also be used by students in higher institutions of learning and in tekhnikums.

COVERAGE: The authors describe various hygienic and sanitary measures adopted by Soviet industry to improve working conditions and to reduce the accident rate in open-hearth furnace shops. The most frequent causes of accidents are analyzed and the proper preventive measures are explained. Special emphasis is laid on hazardous operations around the open hearth furnace.

Card 1/4

Malykh, Aleksandr Aleksandrovich

YERMAKOV, Prokopi Dement'yevich; KOLEGOV, Aleksandr Yermolayevich;
MALYKH, Aleksandr Aleksandrovich; SHUMKOV, V.I., redaktor;
TSIMBALIST, N.N., redaktor izdatel'stva; ZEF, Ye.M., tekhnicheskii redaktor

[Safety engineering in the work of metallurgical plants] Organizatsiia raboty po tekhnike bezopasnosti na metallurgicheskome zavode. Sverdlovsk, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1957. 135 p. (MIRA 10:11)
(Metallurgical plants--Safety measures)

MALYKH, A.A., inzhener.

Organizing relaxation facilities. Ozdor.usl.trud.na zav. no.6;
34-43 '56. (MLRA 9:11)

(Factory sanitation)

MALYKH, A.A., inzhener.

New air conditioning units. Otd.usl.trud.na zav. no.6:5-16 '56.
(Factories--Air conditioning) (MLRA 9:11)
(Air conditioning--Equipment and supplies)

ILLEGIBLE

~~MALYKH~~ Aleksandr Aleksandrovich; RAYLO, P.I., redaktor; AVRUTSKAYA, R.F.,
redaktor izdatel'stva; MIKHAYLOVA, V.V., tekhnicheskij redaktor

[Labor protection during the repair of blast furnaces] Okhrana truda
pri remonte martenovskikh pechei. Moskva, Gos. nauchno-tekhn. izd-vo
lit-ry po cherno i tsvetnoi metallurgii, 1955. 114 p. (MLRA 9:12)
(Blast furnaces--Repairing)

MALYKH, A.A.; SPIRINA, A.M.

Artificial cooling in the repair of open-hearth furnaces. Ozdor.usl.
trud. na zav. no.5:94-99 '53. (MLRA 8:8)
(Open-hearth furnaces--Maintenance and repair)

MALYKH, A.A.

~~www.malykh.com~~

The SIOT rotary ventilator. Ozdor.usl.trud.na zav. no.5:91-93 '53.
(Fans, Mechanical) (MLRA 8:8)

MALYKH, A.A.

[Improvement of working conditions in the repair of smelting and heating
furnaces] Ozdorovlenie uslovii truda pri remonte plavil'nykh i nagrevatel'-
nykh pechei. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1953.
85 p.

(MLRA 6:10)

(Furnaces--Repairing)

MALYKH, A.A.

Name also in Russian transliterated in Cyrillic

[Air blower units] Dushiruiushchie veernye agregaty. Sverdlovsk, Gos.
nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 36 p.
(NLHA 6:8)
(Fans, Electric)

MALYKH, A.

With the help of engineering and technical personnel. Okhr.truda
i sots.strakh. 6 no.1:18 Ja '63. (MIRA 16:1)

1. Predsedatel' sektsii tekhniki bezopasnosti i promyshlennoy
sanitarii Sverdlovskogo pravleniya Nauchno-tekhnicheskogo
obshchestva chernoy metallurgii.

(Sverdlovsk Province--Iron industry--Hygienic aspects)
(Sverdlovsk Province--Steel industry--Hygienic aspects)

GAABE, Yu.E.; KAZARINA, A.K.; KIPERMAN, G.Ya.; MALYI, I.G.;
ROZENTAL', O.E.; KOROTKOV, A.F., retsenzent;
TITEL'BAUM, N.P., retsenzent; TRUKHANOVA, A.N., red.;
IL'YUSHENKOVA, T.P., tekhn. red.

[The theory of statistics] Teoriia statistiki. [By] IU.E.
Gaabe i dr. Pod red. I.G.Malogo. Moskva, Iskusstvo, 1963.
398 p. (MIRA 16:5)

(Statistics)

VECHTOMOV, M.I., inzh.; KUDRYAVTSEV, V.A., inzh.; MALKES, D.A., inzh.;
 OSTROVSKIY, G.I.; POVERENNYI, L.D.; SUSHKOV, P.M., inzh.;
 TYULENEV, N.Z., inzh. Prinsipialni uchastnye: GANYANOVA, N.S., inzh.;
 PUTEYEVA, N.P.; IZRAYLOVICH, Ye.A., inzh.; MARCHENKO, G.A., inzh.;
 MALYGINA, Z.S.; SOKOLOVA, Ye.A.; SOKOV, V.N., inzh.; TARASOVA,
 S.N.; TASHAYEV, A.L., inzh.; FILIMONOV, S.V.; DRALICH, K.F., inzh.,
 nauch. red.; NOVITCHENKO, K.M., inzh., nauchnyy red.; SIMAKOV,
 S.N., inzh., nauchnyy red.; FAKTOROVICH, Yu.A., kand. tekhn. nauk,
 nauchnyy red.; STUPIN, Ye.N., otv. red.; LUTOV, N.S., red.;
 IVANOV, V.S., red.; BAGUZOV, N.P., glav. red.; VOLCHEGORSKIY, M.S.,
 zam. glav. red.; DOBRYNIN, S.N., red.; NAZAROV, I.A., red.;
 KOLESNIKOV, S.I., red.; MEL'NIKOV, N.P., red.; SUSNIKOV, A.A., red.;
 STAROVEROV, I.G., red.; LYTKINA, L.S., red. izd-va; GORDENYEV, P.A.,
 red. izd-va; OSENKO, L.M., tekhn. red.

[Handbook for the designer of industrial, residential, and public
 buildings and structures; organization of construction and execu-
 tion of building and assembly operations. Industrial construc-
 tion] Spravochnik proektirovshchika promyshlennykh, zhilykh i
 obshchestvennykh zdaniy i sooruzheniy; organizatsiya stroitel'-
 stva i proizvodstva stroitel'no-montazhnykh rabot. Promyshlen-
 noe stroitel'stvo. Pod red. P.M. Sushkova. Moskva, Gos. izd-vo
 lit-ry po stroit., arkhitekt. i stroit. materialam, 1961. 372 p.
 (MIRA 15:2)

(Industrial buildings)

DYATLOV, A.I.; MALYSINA, Z.G.; GUSIMOVA, S.I.

Infection of greater gerbils by leishmaniasis in Karakul
District Bukhara Province. Med. paraz. i paraz. bol. 32 no.3:
306-308 My-Je'63 (MIRA 17:3)

1. Iz Bukharskogo protivochumnogo otdeleniya.

MALYGINA, Ye.I.

Effect of phenobarbital, diphenin and trigelin on the sugar
content in the blood. Farm. i toka, 28 no. 6:725-727 (1965) (1967 19:1)
'65.

1. Kafedra farmakologii leninradskogo antitumorno-glikolicheskogo
meditsinskogo instituta; nauchnyy rukovoditel' - dokladchik
chlen AMN SSSR prof. S.V. Anisimov.

TOMILINA, T.N.; POSKALENKO, A.N.; MALYGINA, Ye.I.; IGNAT'YEVA,
M.A.; ANICHKOV, S.V., prof., red.; POKHILINA, A.A.,
red.

[Practical work in pharmacology] Praktikum po farmakologii.
Moskva, Meditsina, 1965. 189 p. (6186 18:2)

1. Deystvitel'nyy khlen ANM SSSR (For Anichkov).

MALYGINA, Ye.I.

Comparative effect of reflexes from the carotid chemoreceptors
and baroreceptors on the secretion of the adrenal medulla.

Probl.endok.i gorm 7 no.2:3-6 '61.

(MIRA 14:5)

(CAROTID SINUS)

(ADRENALINE)

MALYGINA, Ye.I., STROYKOVA, N.G.

Effect of certain anesthetics on cardiac activity and intestinal
tone. Trudy LSGMI 45:184-189 '58 (MIRA 11:11)

1. Kafedra farmakologii Leningradskogo sanitarno-gigiyenicheskogo
meditsinskogo instituta (zav. kafedroy - deystvitel'nyy chlen
AMN SSSR, prof. S.V. Anichkov.
(ANESTHESIA)
(HEART)
(INTESTINES)

PAINGINA, Ye. I.

PAINGINA, Ye. I.: "The effect of 'iridolol' on the central nervous system." In: Walters R.R. Leonard Goldberg-12 Jan. 1968 Inst. Leonora, 1968. (Dissertation for the degree of Candidate in Medical Sciences).

Source: Knizhnyy katalog No. 27 1956 Moscow

VESELOV, A.I., doktor tekhn. nauk, prof.; MALYGINA, Ye.F., otv. za
vypusk

[Design of mine fans] Konstruktsii shakhtnykh ventiliatorov.
Sverdlovsk, Sverdlovskii gornyi in-t im. V.V. Vakhrusheva,
1962. 59 p. (MIRA 16:4)

(Fans, Mechanical)

MALYGINA, Vera A. dr.

"Aerosol vaccination"

Report to be submitted for the Conference of Global Impacts of Applied Microbiology, to be held in Stockholm, Sweden, from 29 Jul-Aug 3, 1963

VISHNEVSKIY, A.S.; KHODYKIN, A.V.; Prinimali uchastiye: VESELOV, I.A.,
vrach; PINCHUKOV, Ye.F., vrach; GLUSHKO, B.I., vrach;
CHVAMANIYA, A.Ye., vrach; FILIPPOVA, Ye.I., vrach; GOLUBOVA, L.M.,
vrach; SHEVCHENKO, M.M., vrach; MALYGINA, V.F., vrach

Sanatorium and health resort treatment of chronic pancreatitis
(immediate and late results). Trudy TSIU 72:110-122 '64.
(MIRA 18:11)

1. Kafedra kurortnoy terapii (zav. prof. A.S. Vishnevskiy)
TSentral'nogo instituta usovershenstvovaniya vrachey.

MALYGINA, V.

Milk kitchens for children on collective farms. *Pediatrics* 37
no.4:70-71 Ap '59. (MIRA 12:6)

1. Zamestitel' ministra zdravookhraneniya Moldavskoy SSR.
(INFANT NUTRITION
milk kitchens in collective farms in Russia
(Rus))
(MILK
child milk kitchens in collective farms in
Russia (Rus))

MALYGINA, V. (g. Kirov)

How was the author wrong? Kryl.rod. 10 no.3:17 Mr '59.

(MIRA 12:4)

1. Starshiy instruktor-letchik-metodist Kirovskogo aerokluba.
(Aeronautics--Study and teaching)

TARASOV, A.M., kand.tekhn.nauk; SELEZHENKO, M.R., inzh.; GUR'YANA, S.I.,
inzh.; DONTSOVA, A.M., inzh.; MALYGINA, S.I., inzh.

Use of structural steels with small additions of boron at the
Gorkiy Automobile Plant. Metalloved. i term.obr.met. no.12:
16-21 D '61. (MIRA 14:12)

1. Gorkovskiy avtomobil'nyy zavod.
(Gorkiy--Automobile industry)
(Boron steel)

MALYGINA, T.A., kand. med. nauk

Study on the effectiveness of balneological treatment of chronic dermatoses at the Kuybyshev Springs in the Crimea. Vest. derm. i ven. 37 no.12:25-28 D '63 (MIRA 18:1)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - dotsent N.I. Metlitskiy) i kafedra fakul'tetskoy terapii (zav. - prof. M.V.Kokhanovich) Krymskogo meditsinskogo instituta.

MALYGINA, T. A.; DRUYAN, Kh. L.; MILYAVSKIY, A. I.

Treatment of lupus erythematosus with resochin. Vest. dermat. i ven. 36 no.7:62-64 J1 '62. (MIRA 15:7)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - dotsent N. I. Metlitskiy) Krymskogo meditsinskogo instituta (dir. - dotsent S. I. Georgiyevskiy)

(LUPUS ERYTHEMATOSUS) (QUINOLINE)

MALYGINA, T.A.; MILYAVSKIY, A.I.

Serum protein fractions and liver function in certain dermatoses.
Vest.derm. i ven. 34 no.11:22-24 N '60.

(MIRA 13:12)

1. Iz kafedry kozhno-venericheskikh bolezney (ispolnyayushchiy
obyazannosti zaveduyushchego kafedroy T.A.Malygina) Krymskogo
meditsinskogo instituta (direktor - dotsent S.I.Georgiyevskiy).

(SKIN diseases)

(BLOOD PROTEINS)

(LIVER FUNCTION TESTS)

MALYGINA, O.; NOSKOVA, Ye.V., dotsent, nauchnyy rukovoditel'

Indoor cultivation of lemon. Uch.zap.Kuib.gos.ped.inst. no.37:
51-56 '62. (MIRA 16:1)

(Lemon)

L 41182-65

ACCESSION NR: AP5004677

phase meters; A. V. TRIKHANOV, I. G. SMYSHLYAYEV, N. I. SABLIN, V. M. RAZIN and V. A. GORBUNOV (Tomsk)--report on a device for automatic processing of the measurements of vibration amplitude of pneumatic hammers; L. K. RUKINA and V. G. KNORRING (Leningrad)--report on the development of a digital compensator for measuring pressure, force, etc.; N. B. DADUKINA (Leningrad)--report on a method for constructing frequency pickups for gas analysis; Ye. M. KARPOV, V. A. BRAZHNIKOV and B. Ya. LIKHITSINDER (Kuybyshev)--reports on analysis and recording of boring speeds; Yu. V. PSHENICHNIKOV (Kuybyshev)--"A High Speed Voltage-to-Digital Code Converter for ac Pickups"; G. P. VIKHROV and V. K. ISAYEV (Vilna)--"A Highly Accurate Digital Peak-to-Peak Voltmeter"; and S. M. PERSIN (Leningrad)--"A Low Level Analog-Digital Voltage Converter."

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: EE, EO

JPRS

ML
Card 4/4

L 41182-65

ACCESSION NR: AP5004677

20

Graphic Recordings For Subsequent Introduction of the Information into Universal Digital Computers"; O. M. MOGILEVSK and S. S. SOKOLOV (Leningrad)--"On a Method for Reducing Excess Information"; T. V. NIKOLAYEVA (Leningrad)--"A Device for Temporal Discretization of Continuous Signals"; A. A. LYOVIN and M. L. BULIS (Moscow)--"Optimization of the Transmission of Telemetry Information as a Means for Raising the Efficiency and Eliminating Interference"; D. E. GUKOVSKIY (Moscow)--"On a Statistical Approach to the Detection of Events in Automatic Inspection"; M. I. LANIN (Leningrad)--"Method for Calculating the Holding Time of Communications in a Centralized Inspection System or Constant Servicing Time"; O. N. BRONSHTEYN, A. L. RAYKIN and V. V. RYKOV (Moscow)--"On a Single-Line Mass Service System with Losses"; V. M. SHLYANDIN (Penza)--report on circuit designs for direct compensation electrical digital measuring instruments; A. N. KOMOV (Novocherkassk)--report on a new method for compensation of digital bridges; M. N. GLAZOV (Leningrad)--report on the problem of voltage-to-angular rotation conversion; V. S. GUTNIKOY (Leningrad)--"Methods for Construction of Frequency Capacitance Pickups with a Linear Scale"; R. Ya. SYROPYATOVA and R. R. KHARCHENKO (Moscow)--report on the determination of the amplitude-frequency and phase characteristics of PFM and PWM modulators; Ye. I. TSHYAKOV (Novocherkassk)--"The Phototransistor as a Switch for Electrical Measurement Purposes"; N. V. MALYGINA (Leningrad)--a report on ways for making universal equipment for measurement of current, voltage and power; P. P. ORNATSKIY and V. I. ZOZULYA (Kiev)--reports on the construction of static voltmeters, wattmeters and

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L 41182-65

ACCESSION NR: AP5004677

17

KUPERSHIMDT (Moscow)--"On Determination of the Criteria of Accuracy for Measurement Devices"; S. M. MANDEL'SHTAM (Leningrad)--report on a new criterion of accuracy of measurement instruments; P. F. PARSHIN (Leningrad)--report on optimization when using Fourier transforms on electronic digital computers; S. P. DMITRIYEV, G. Ya. DOLGINTSEVA and A. A. IGNATOV (Leningrad)--proposal of a new method for solving problems of optimum filtering for non-stationary random signals and interference; I. B. CHELPAKOV--"Calculation of the Dynamic Characteristics of an Optimum Complex Two-Channel System which Uses Signals from a Position Motor and from a Speed Motor"; R. A. POLUSKTOV (Leningrad)--"Optimum Periodic Correction in the Measurement of Continuous Signals"; S. P. ADAMOVICH (Moscow)--"Analysis and Construction of Devices for Correction of Non-linearity and Scaling for Unitary Codes; G. V. GORELOVA (Taganrog)--"A Method for Statistical Optimization in Graduating the Scales of Electrical Measuring Instruments"; M. A. ZEMEL'MAN (Moscow)--"Analog-Digital Voltage Converter with Automatic Error Correction"; B. N. MALINOVSKIY, V. S. KALENCHUK and I. A. YANOVICH (Kiev)--"Automatic Monitoring of the Parameters of the Electrical Signals of Complex Radio and Electronic Equipment"; V. P. PEROV (Moscow)--"Operational Cybernetics as an Independent Scientific Specialization"; Ye. N. GIL'BO (Leningrad)--"On the Problem of Effective Non-linear Scales"; A. I. MARKELOV (Moscow)--"Devices for Preliminary Processing of the Results of Measurements Presented in the Form of

Card 2/4

L 41182-65 EWT(d)/EWP(c)/EWP(v)/T/EWP(k)/EWP(l) Pf-4
 ACCESSION NR: AP5004677 S/0115/64/000/009/0058/0059

50 c
 70
 13
 B

AUTHOR: none

TITLE: Fourth scientific and technical conference on "Cybernetics for the improvement of measurement and inspection methods"

SOURCE: Izmeritel'naya tekhnika, no. 9, 1964, 58-59

TOPIC TAGS: cybernetics, electric measurement, electric quantity instrument, digital computer, electronic equipment, electric engineering conference

ABSTRACT: The conference was held 1-4 July at the All-Union Scientific Research Institute of Metrology by the Section of Electrical Measurements of the Council on the Problem of "Scientific Instrument Making" of the State Committee on Coordination of Scientific Research Work in the USSR together with the All-Union Scientific Research Institute of Electrical Measurement Instruments and the Leningrad Regional Administration of the Scientific and Technical Division of the Instrument Making Industry. More than 400 delegates from 29 cities of the country participated. Fifty-seven reports were heard and discussed. Reports were given by: P. V. NOVITSKIY (Leningrad)--"Definition of the Concept of Informational Error in Measurement and its Importance in Practical Use" and "On the Problem of the Average Informational Criterion of Accuracy Throughout the Entire Scale of an Instrument"; Ya. A.

Card 1/4

ACCESSION NR: AP4033597

with a measurand applied, this frequency is independent of the polarity of the current and is proportional to its instantaneous value. The number of periods of the difference frequency per one period of the measurand is directly proportional to its mean value and inversely proportional to its frequency. The following advantages of the new method are claimed: (1) Short time of measurement equal to one period of the measurand; (2) Digital reading; (3) Invariable reading during one period; (4) Higher accuracy. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 00

ATD PRESS: 3058

ENCL: 00

SUB CODE: EC

NO REF SOV: 005

OTHER: 000

Card 2/2

ACCESSION NR: AP4033597

S/0119/64/000/004/0008/0008

AUTHOR: Zograf, I. A. (Engineer); Knorr, V. G. (Engineer);
Kondrashkova, G. A. (Engineer); Malygina, N. V. (Engineer)

TITLE: Method for measuring infralow-frequency currents and voltages

SOURCE: Priborostroyeniye, no. 4, 1964, 8

TOPIC TAGS: infralow frequency, infralow frequency current, infralow
frequency voltage, infralow frequency measurement, fraction cps measurement

ABSTRACT: The existing methods of infralow-frequency measurement are based
on high-inertia instruments with a resulting slow reaction. A new principle of
measurement is suggested in which a differential frequency converter develops
two frequencies f_1 and f_2 in two oscillators (block diagram supplied). Both
frequencies are fed into a balanced modulator with a low-pass filter; the latter
yields the difference frequency $f_1 - f_2$. This frequency is zero at no measurand;

Card 1/2

ACCESSION NR: AR4042173

conversion of period into frequency and parallel summation are given. Two illustrations. Bibliography: 3 references.

SUB CODE: EC, IE

ENCL: 00

Card

2/2

ACCESSION NR: AR4042173

S/0272/64/000/005/0062/0062

SOURCE: Ref. zh. Metrologiya i izmerit. tekhn. Otd. vy*p., Abs. 5.32.385

AUTHOR: Gutorova, A. N.; Malygina, N. V.

TITLE: Exact measurement of low frequencies

CITED SOURCE: Uch. zap. aspirantov i solskateley. Leningr. politekhn. in-t. Elektrozmerit. tekhn. i avtomatika. L., 1963, 37-40

TOPIC TAGS: low frequency, circuit, digital computer, measuring instrument

TRANSLATION: For exact measurement of low frequencies when there is required high multiplication factor in the range of frequencies, there is used the method of measurement of period with subsequent conversion of the number of impulses, which are proportional to the period, into the reciprocal with the help of elements of digital computers. A circuit for consecutive addition and the functional diagram of the device for measurement of low frequency with

Card 1/2

SILICH, M.I.; SIDOROV, I.P.; MARTYNOVA, L.L.; BUKAROV, A.R.;
YULUSOV, A.A.; KISIL', I.M.; Prinimali uchastiye: KIJNOVA, G.N.;
YEROFEYEVA, A.D.; MATYGINA, N.M.; KHOKILOV, A.I.; ZAYTSEVA, A.I.;
YELISOVA, T.V.; BUSYGINA, A.I.

Improved technological system with a suspended catalyst
for the production of alcohol by oxo synthesis method. Khim.i
tekh.topl.i masel 6 no.8:19-24 Ag '61. (MIRA 14:8)

1. Gosudarstvennyy institut azotnoy promyshlennosti; LKhK;
Opytno-konstruktorskoye byuro po avtomatike.
(Alcohols) (Oxo process)

PAINTICINA, H. I.

"Polarographic investigation of complexes of cadmium with some monovalent anions."
by I. A. Korchunov, H. I. Painticina, and O. N. Balabanova. (p. 686)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1961, Volume 31, No. 4

MALYGINA, N.D.

7. The system $KF-MoO_3-H_2O$. The 25° isotherm. N. S. Nikol'sky, A. A. Opalovskiy, and N. D. Malygina. *Dokl. Akad. Nauk SSSR*, 189-92 (1959). The soly. isotherm at 25° for the system $KF-MoO_3-H_2O$ was investigated by a soly. method. Above the concn. of 18% KF , a compound $K_2MoO_4 \cdot F_2$ is formed. At lower concns. of KF the solid phase has no const. compn. and it is assumed to consist of a solid soln. of KF in MoO_3 . The Gibbs phase diagram of the ternary system is given. I. Abrahamer

RUSANOV, V.T.; GUR'YEV, I.D., master; KOCHENKOV, V.V., osmotrshchik-avtomatchik; SUKINOV, S.I., osmotrshchik-avtomatchik; SEMENIKHIN, N.A., osmotrshchik-prolazchik; MALYGINA, N.A., slesar'-avtomatchik; MANTAK, A.I., inzh.-tekhnolog; MALOV, G.A., instruktor; POTAPOV, A.L., mashinist elektrovoza; KOVRIZHKIN, N.P.; PATEYUK, I.L., starshiy inzh. po tormozam

Discussion of Boiko and Senderov's article "Is there a need for emergency braking boosters on freight trains?" Elek.i tepl. tiaga 5 no.12:26-27 D '61. (MIRA 15:1)

1. Punkt tekhnicheskogo osmotra stantsii Magnitogorsk Yuzhno-Ural'skoy dorogi. 2. Nachal'nik punkta tekhnicheskogo osmotra stantsii Magnitogorsk Yuzhno-Ural'skoy dorogi (for Rusanov). 3. Depo Tuapse Severo-Kavkazskoy dorogi (for Potapov). 4. Starshiy revizor sluzhby lokomotivnogo khozyaystva Moskovskoy dorogi (for Kovrizhkin). 5. Sluzhba vagonnogo khozyaystva Moskovskoy dorogi (for Pateyuk).

(Railroads--Brakes)

MALYGINA, N., studentka.

Mineralogy of one of the rich iron ore deposits in Kursk Magnetic
Anomaly. Sbor. nauch. rab. stud. SNO DII no.2:141-152 '57.
(MIRA 11:12)

1. Shakhtostroitel'no-marksheyderskiy fakul'tet Donetskogo indu-
strial'nogo instituta im. N.S. Khrushcheva.
(Kursk Magnetic Anomaly)
(Kursk Province--Iron ores)

MALYGINA, M. M.

TUBIN, S. M. Rukovoditel'-Dots i MALYGINA, M. M. Inzh., RIUKIN, M. K. Inzh.

Vsesoyuznaya Kontora Tseovogo Proyektirovaniya I Tekhnicheskikh Issledovaniy
(KTIS) Mintyazhstroya

Analiz skhem stal'nykh Konstruktsiy pokrytiy odnoetazhnykh promyshlennyykh zdaniy
s 3-M Plitami Page 63

SO: Collections of Annotations of Scientific Research Work on Construction, completed
in 1950. Moscow 1951

GRUDEV, D.I., doktor sel'skokhoz. nauk; SADOVNIKOVA, N.V., starshiy nauchnyy sotrudnik; SMIRNITSKAYA, N.Ye.; KARAVAYEVA, S.G.; KOTOV, P.Ya.; RODIONOVSKIY, M.S.; KRYLOVA, N.N., kand. biol. nauk; KRASIL'NIKOVA, T.F., inzhener-khimik; SOINTSEVA, G.L., aspirant; KUZNETSOVA, V.V., mladshiy nauchnyy sotrudnik; Prinimali uchastiye: BAZAROVA, K.I.; MALYGINA, M.I.; BUDINSKAYA, S.Z.; SINITSYNA, I.K.

Comparative evaluation of the fattening and slaughtering characteristics of Shorthorn and Kalmyk steers and physico-chemical indices of their meat. Trudy VNIIMP no.16:5-23 '64.
(MIRA 18:11)

MALYGINA, M.A.

Pathomorphology of the neural apparatus of the oral mucosa in pneumonia and dysentery in infants. Stomatologiya. no.4:21-23 J1-Ag '54 (MLRA 7:9)

1. Iz kafedry patologicheskoy anatomii (zav. prof. M.Ye.Yarygin)
i kafedry gosspital'noy khirurgii (zav. prof. V.P.Mateshchuk) Yaroslavskogo meditsinskogo instituta.

(MOUTH, innervation,
in dysentery & pneumonia in inf.)
(DYSENTERY, in infant and child,
mouth neural changes in)
(PNEUMONIA, in infant and child,
mouth neural changes in)

MALYGINA, M.A.

Sixth Provincial Scientific and Practical Conference of
Stomatologists in Yaroslavl Province. Stomatologiya 41
no.5:106-107 S-O '62. (MIRA 16:4)
(YAROSLAVL PROVINCE--STOMATOLOGY)

MALYGINA, L.V.
MALYGINA, L. V., MALYGIN, Yu. N., and SENKEVICH, V. F.

"Hardening 37KhS Steel Parts in Hot Media,"

Experience of a Plant Metallographic Laboratory; Collection of Articles,
Moscow, Mashgiz, 1957, 82 p. 2,000 copies. (Sagardze, V. S. Ed.)

The investigation on which this article is based made it possible to establish optimum conditions for fused-alkali heat treatment of threaded machine parts made of 37KhS steel. The advantages of this method of hardening are demonstrated. This method has already been put into practice at the Urals RR -car Plant, where a mechanized line for isothermal bright hardening of articles made of 37KhS steel has been set up.

MALYGINA, L.I.; CHERNOMORDIK, L.M.; BIL'GIL'DIYEV, A.S.

Method of peltry dyeing; Soviet Certificate of Inventions
No.148196. Kozh.-obuv.prom. 4 no.8:43 Ag '62. (MIRA 15:8)
(Fur industry--Technological innovations)

VLADIMIROV, B.D., MALYGINA, L.I., NEFED'YEVA, N.P.

Hygienic evaluation of certain dishwashing machines in eating establishments [with summary in English]. Vop.vit. 17 no.4:72-76 (MIRA 11:7)
Je-Ag '58

1. Iz otdela pishchevoy gigiyeny (zav. - prof. F.Ye.Budagyan)
Instituta pitaniya AMN SSR, Moskva.
(RESTAURANTS,
hyg. evaluation of dishwashing machines (Rus))

Reactions of 1,1'-Dimethyl Ferrocene

SOV/ 20-120-6-27/ 9

influence of the methyl groups. Moreover, the initial mixture was hydrogenized under pressure in the presence of skeletal nickel (see 11). 4 alkyl cyclopentanes were isolated by means of distillation. There are 13 references, 7 of which are Soviet.

SUBMITTED: March 12, 1958

1. Ferrocenes--Chemical reactions

Card 3/3

Reactions of 1,1'-Dimethyl Ferrocene

SOV/20-120-6-27/59

with a decomposition point at from 196 - 200°. Two acids were isolated in small quantities. All 3 acids yield solid dimethyl ethers and, hence, none of it is di-(carboxy-methyl)-ferrocene which forms liquid ether (Ref 9). The mutual position of the methyl- and carboxylic groups has not yet been determined. The acylation of the substance mentioned in the title was carried out by means of acetyl chloride under the presence of $AlCl_3$. The acylated products could not be separated. After protracted storing of the mixture diacetyl dimethyl ferrocene crystallized out. Two isomers could be separated from it by means of fractionated crystallization. On the basis of a comparison with Ref 10 it there is reason to believe that they contain stereoisomeric 1,1'-diacetyl ferrocenes. The monoacylated dimethyl ferrocene was isolated chromatographically from the residual liquid mixture. Due to the oxidation of this mixture with sodium hypochlorite, dimethyl ferrocene carboxylic acid was obtained as trimethyl ether. After the reduction of the same mixture by means of $LiAlH_4$ dimethyl triethyl ferrocene was isolated. Thus, in contradiction to ferrocene a triacylated product is formed. The ferrocene nucleus is thus considerably activated in the reactions of the electrophilic substituents under the

Card 2/3

SOV/2c-120-6-27/59

AUTHORS: Nesmeyanov, A. N., Member, Academy of Sciences, USSR,
Perevalova, E. G., Beynoravichute, Z. A., Malygina, L. L.

TITLE: Reactions of 1,1'-Dimethyl Ferrocene (Reaktsii 1,1'-dimetil-ferrotsena)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 6, pp.1263-1266 (USSR)

ABSTRACT: Reports were made already earlier on the influence of the substituents on the reactivity of the ferrocene nucleus. In the present paper the metallization- and acylation reactions of the substance mentioned in the title were investigated. n-amyl sodium was used as metallizing agent. In this connection two directions of reaction are possible: A substitution of a) the hydrogen of the methyl group, and b) of the hydrogen of the cyclopentadienyl cycle. The metallization into the methyl groups expected from the analogy with toluene (Ref 8) did not take place; on the contrary, it takes place into the cyclopentadienyl cycles. The main product (yield of 52 %) is dimethyl ferrocene dicarboxylic acid

Card 1/3

GNONJ, G.M.; MALYGTNA, I.G.

Some problems of technology of preparing water for large-scale
production of cultural virus vaccines. Vop. virus. 10
no.5:614-618 S-O '65. (MIR, 1965)

1. Institut poliomyelita i virusnykh entsefalitov AMN SSSR,
Moskva.

MALYGINA, I.F., inzh.

Determining stresses of restricted torsion in elements of
steel gates. Trudy MIIT no.152:144-156 '62. (MIRA 16:6)

(Gates, Hydraulic---Testing)

SOV/124-58-5-5984

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 146 (USSR)

AUTHORS: Shur, B.M., Malygina, I.F.

TITLE: Experimental Investigations of the Functioning of Water Gates
(Eksperimental'nyye issledovaniya raboty ploskikh zatvorov)

PERIODICAL: Tr. nauchno-tekhn. soveshchaniya po gidromekhan. oborudovaniyu GES. Moscow-Leningrad, Gosenergoizdat, 1957, pp 58-68

ABSTRACT: Bibliographic entry

1. Water--Control systems
2. Control systems--Performance

Card 1/1

MALYGINA, I. A.

USSR / General and Specialized Zoology. Insects. Insect and
Mite Pests.

P

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44829

Author : Malygina, I. A.
Inst : Moscow Agricultural Academy imeni K. A. Timiryazev
Title : Dusting Flax Seeds Prior to Planting and Its Effect on the Physiological Properties of the Plants.

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, vyp. 29, 180-184.

Abstract : Observations and experiments in Moscow and Kalinin Oblasts have demonstrated that treatment prior to planting of flax seeds with hexachlorocyclohexane (HCH) which was capable of penetrating into the interior of the plant, thus rendering the sprouts toxic to the pest, was the best method of protecting flax against flax flea beetles in the most critical shooting period. Prior

Card 1/2

MALYGINA, I.A., agronom.

Increasing the effectiveness of the chemical method of fighting flax
pests. Masl.-zhir. prom. 23 no.12:21-22 '57. (MIRA 11:2)

1. Sol'skokhozyaystvennaya akademiya imeni Timiryazeva.
(Insecticides) (Flax--Diseases and pests)

IZMAIL'SKIY, V.A.; MALYGINA, A.V.

Contrapolarized systems and spectrum. Part 7: Effect of additional electron-donor groups in a second ring on the spectrum of p-dimethylaminoazobenzene. Zhur. ob. khim. 34 no.11:3554-3561 N '64 (MIRA 18:1)

1. Laboratoriya krasiteley i problemy tsvetnosti pri Moskovskom pedagogicheskom institute imeni V.I. Lenina i Moskovskiy tekstil'nyy institut.

SMIRNOV, Ye.A.; MAL'GINA, A.V.

Compounds with two electron-donor systems. Part 6: Chromaticity
in the derivatives of N-(phenylglycyl)-o-(3-nitrobenzoyl)-1,4-
aminonaphthol. Zhur. ob. khim. 34 no.9:3072-3075 9 '64.
(MIRA 17:11)

1. Moskovskiy tekstil'nyy institut.

Counterpolarized Systems and Coloration. I. Spectra of Some 50V/79-29-8-37/81
4-Nitro-benzanilide Derivatives Containing Some Electrodonor Chromophores in
One Nucleus

AK and BK by means of the double bond of the iminole group (IV) whereas the coloration and the reflection spectrum in the solid crystalline phase are also in relation with the exomolecular reactions. There are 5 figures, 2 tables, and 10 references, 9 of which are Soviet.

ASSOCIATION: Moskovskiy pedagogicheskiy institut imeni V. P. Potenkina and Moskovskiy tekstil'nyy institut (Moscow Pedagogical Institute imeni V. P. Potenkin and Moscow Textile Institute)

SUBMITTED: July 11, 1958

Card 3/3

Counterpolarized Systems and Coloration. I. Spectra of Some 30V/72 29-8-37/81
 4-Nitro-benzanilide Derivatives Containing Some Electrodonor Chromophores in
 One Nucleus

5-CH₃-, and especially 5-OCH₃-group, to the methoxy derivative causes an intensive bathochromic shift in the reflection spectrum as well as in the absorption spectrum in the long-wave range. In the case of 4'-nitro-dimethoxy benzanilide, a well-pronounced step is formed which indicates the occurrence of band (II) of the absorption range. A comparison of the spectrum of the 2,5-dimethoxy derivative (Nr 5) with the absorption spectra of the 4-nitrobenzoyl anilides with a second donor group (OCH₃, OH, NMe₂) in paraposition with respect to the NH-group, indicates that the effect of the 2,5-dimethoxy-dicuble-nucleophilic system ((1-CONH, 2,5-(OCH₃)₂)) is closely related with the effect of the 4-methoxy group ((1-CONH, 4-OCH₃)). In the presence of the 4-benzamido group, the influence of two groups upon the coloration in the solid phase is also very well pronounced, and leads to an intensification of the color, from bright yellow to bright orange, in the order 2-OCH₃ < 5-CH₃ < 2,5-(OCH₃)₂ < 2,5-(OC₂H₅)₂. The spectrum in the solution is determined by the reaction of the systems

Card 2/3

SCV/79-29-6-07/81

5(3)

AUTHORS:

Izmail'skiy, V. A., Malygina, A. V.

TITLE:

Counterpolarized Systems and Coloration. I. Spectra of Some 4-Nitro-benzanilide Derivatives Containing Some Electrodonor Chromophores in One Nucleus

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 8, pp 2623 - 2630 (USSR)

ABSTRACT:

This paper represents a further development of the investigations carried out by V. I. Stavrovskaya (Refs 9,10). Two auxochromic groups in paraposition to each other form a counterpolarized system (AK) with an increased auxochromic behavior which causes an intensification of the color. In order to check the influence exerted by an addition of two donor groups in counterposition upon the reflection and absorption spectra, the 4-nitro-benzoyl arylamides of structure (I), which contain the donor groups CH_3 , OCH_3 , OC_2H_5 to be integrated in the anilide nucleus in positions 2 and 5, were investigated. The introduction of two CH_3 -groups exerts little effect, whereas the addition of a second donor

Card 1/3

SOV/63-4-2-29/39

Spectra of the Derivatives of 1-(Benzene-Azo)-3-Carboxanilid-2-Naphthol Containing
Counter-Polarized Electron-Doron Systems

ASSOCIATIONS: Moskovskiy pedagogicheskiy institut imeni V.P. Potemkina (Moscow Pedagogic Institute imeni V.P. Potemkin). Moskovskiy tekstil'nyy institut (Moscow Textile Institute)

SUBMITTED: July 8, 1958

Card 2/2

SOV/63-4-2-29/39

5(3)

AUTHORS: Izmail'skiy, V.A., Malygina, A.V.

TITLE: Spectra of the Derivatives of 1-(Benzene-Azo)-3-Carboxanilid-2-Naphthol
Containing Counter-Polarized Electron-Donor Systems

PERIODICAL: Khimicheskaya nauka i promyshlennost', 1959, Vol 4, Nr 2,
pp 280-281 (USSR)

ABSTRACT: This is a continuation of the work of [Ref 1, 2] concerning the effect
of two donor groups on the spectrum. It has been shown that the pre-
sence of CONHC_6H_5 causes a bathochromic shift of λ_{max} of the band IV.
The groups 4-NHCOCCH_3 or $4\text{-NHCOC}_6\text{H}_5$ had nearly no effect. The dye
[$2,5\text{-(CH}_3)_2\text{-4-NHCOC}_6\text{H}_5$] exists in a red form in alcohol and in a blue-
violet form in pyridine. The bathochromic shift in the spectrum is
probably connected with the quinone-hydrazone structure.
There is 1 table and 2 Soviet references.

Card 1/2

SOV/63-4-2-28/39

Spectra of the Derivatives of 1-(Benzene-Azo-)-2-Naphthol Containing Counter-Polarized Electron-Donor Systems

ASSOCIATIONS: Moskovskiy pedagogicheskiy institut imeni V.P. Potemkina (Moscow Pedagogic Institute imeni V.P. Potemkin). Moskovskiy tekstil'nyy institut (Moscow Textile Institute)

SUBMITTED: July 8, 1958

Card 2/2

SOV/63-4-2-28/39

5(3).

AUTHORS: Izmail'skiy, V.A., Malygina, A.V.

TITLE: Spectra of the Derivatives of 1-(Benzene-Azo)-2-Naphthol Containing Counter-Polarized Electron-Donor Systems

PERIODICAL: Khimicheskaya nauka i promyshlennost', 1959, Vol 4, Nr 2, pp 279-280 (USSR)

ABSTRACT: The conclusion was drawn from [Ref 1-3] that the presence of two donor chromophors in n-position produces a system with increased electron-donor properties due to counter-polarizing effects. This conclusion has been verified by studying the effect of introducing CH₃- and OCH₃-groups into several derivatives of 1-(benzene-azo)-2-naphthol. It is assumed that the introduction of two OCH₃- or OCH₂H₅-groups will have a still stronger effect.

Card 1/2 There is 1 table, 1 graph and 3 Soviet references.

MALYGINA, A. V.

Malygina, A. V. --"Absorption Spectra of Azo-Dyes and Derivatives of Paranitrobenzanilide Containing Several Electron Donor Groups in one (Benzene) Nucleus." Moscow Municipal Pedagogical Institute V. P. Potemkin, Moscow, 1955.
(Dissertation for Degree of Candidate of Chemical Sciences)

SO: Kniahnaya Letopis', No. 23, Moscow, PP. 87-104

UGOLIK, N.F.; MALYGINA, A.I.

Improvement of the State Control System of flour mills. Izv.vys.
ucheb.zav.; pishch.tekh. no.1:3-7 '60. (MIRA 13:6)

1. Kafedra organizatsii i planirovaniy a predpriyatiy Odesskogo
tekhnologicheskogo instituta imeni I.V. Stalina.
(Flour mills)

L 4576-66

ACC NR: AP5024601

steel to local failures in the vicinity of joints. Tests at the TsNIITmash, TsKTI, and VTI indicate that the steel should be replaced by Kh16N9M2 which is by its composition close to the US steel AISI 316 which proved very successful in American thermal power plants with vapor temperatures up to 650C. Orig. art. has: 5 figures and 2 tables. 4

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, MM

NO REF SOV: 006

OTHER: 000

Card 2/2 DP

L 4576-66 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/T/EWP(k)/EWP(t)/EWP(z)/EWP(b)/EWA(c)

ACC NR: AP5024601 MJW/JD/HM/HW/EM

UR/0114/65/000/009/0037/0040

621.772.4:621.791.053

44,55
 AUTHOR: Shron, R.Z. (Candidate of technical sciences); Malygina, A.A. (Engineer); Salamatina, A. I. (Engineer); Mikheyev, G. N. (Engineer) 44,55

44,55
 TITLE: The operation of welded joints of austenite steam pipes (experiment at the Chelyabinsk TETs-1)

SOURCE: Energomashinostroyeniye, no. 9, 1965, 37-40

TOPIC TAGS: weld defect, weld evaluation, metal welding, austenite steel, pipe 44,55

ABSTRACT: The authors present the generalized results of an experiment concerning the operation of austenite (steel 1Kh18N12T) welded joints of the steam piping of the SVP complex of the Chelyabinsk TETs-1 over the 1959 - 1964 period. The SVP complex consists of two 68SP300/215 boilers and SVP-50-3 turbines. The vapor pressure ahead of the turbine is 210 at, temperature 555 - 560C. The number of welded joints is 342, approximately 70% of which were made on the spot during construction. The present article presents in the form of graphs and tables the accumulated number of working hours, changes in vulnerability (with time, and according to depth), comparative changes in vulnerability of austenite and nonaustenite joints, vulnerability of thick sections as compared with the vulnerability of the entire system, and the vulnerability of tube joints utilizing 10 different types of alloying. Results show that in spite of a certain increase in system's reliability the thermal processing of 1Kh18N12T steel joints does not secure a reliable operation because of the tendency of the

Card 1/2

08 10600

An investigation of the tendency ...

S/096/63/000/003/002/010
E194/E455

treatment. Some of the welds were made cold, some with heating at temperatures ranging from 300 to 500°C. The test procedures are described. It is concluded that the existing procedure for welding unions of steel 1Kh18N12T with electrodes grades TsT-15 without heating is unsatisfactory and gives rise to plastic strain. Fewer microcracks are observed with electrodes grades TsT-1, but the ability of the metal to withstand bending without cracking is still only half that of the base metal. Plastic strain can be greatly reduced by heating the pipes before and during welding without reducing plasticity of the welds. However, heating to 300°C is not enough, and with electrodes TsT-15 the best results were obtained with heating to 380 - 400°C followed by austenization. Austenization conditions recommended to relieve stresses in welds are: heating to 1100°C at a rate of 300 to 400°C per hour, holding at 1100°C for two hours, cooling in the furnace at a rate of 160 to 180°C per hour to 550°C then cool with the furnace. An electron microscope revealed the microcracks formed during welding. The work will be continued with other electrodes. There are 2 figures and 3 tables.

Card 2/2 ASSOCIATION: Vostochnyy filial VTI (Eastern Branch of VTI)

S/096/63/000/003/002/010
E194/E455

AUTHORS: Aristov, M.Ya., Candidate of Technical Sciences,
Venkova, L.P., Gribanova, N.N., Malygina, A.A.,
Engineers

TITLE: An investigation of the tendency to crack-formation in
pipe-union welds of steel 1X18H12T (1Kh18N12T)

PERIODICAL: Teploenergetika, no.3, 1963, 18-21

TEXT: Failures of welds at T-joints in steam pipes of 245 mm outer
dia/36 mm inner dia after 6000 hours operation at a station with
superhigh steam conditions were investigated. Cracks were
initially absent from the welds but were observed after periods of
operation ranging from 2000 to 6000 hours. Accordingly a number
of T-joints were made up for test with main pipes of 245/36 mm
diameter and unions of 133/18 mm diameter in austenitic steel 1X18H12T
(1Kh18N12T). Some of the metal used was new, some had been in
service. Welding was by d.c. using electrodes grades UT-15
(TsT-15) - without Mo - and UT-1 (TsT-1) - with Mo. The objects
were to find ways of reducing stresses in and near welds, to
find the best heat-treatment, and to relieve structural and strength
changes in metals near the welds resulting from welding and heat-
Card 1/2

SHUMYATSKIY, B. Ya.; POLETAVKIN, P. G.; MALYGIN, Y. S.

"MHD generator unit with incomplete combustion of fuel."

report submitted for Intl Symp on Magnetohydrodynamic Electrical Power Generation, Paris, 6-11 Jul 64.

TSITSIN, N.V., akademik, otv. red.; BYLOV, V.N., red.; VERZILOV,
V.F., red.; KUL'TIASOV, M.V., red.; LAPIN, P.I., red.;
MALYGIN, Yu.N., red.; OGOLEVETS, G.S., red.; SUKHOMUKOV,
K.T., red.; CHERKASSKIY, Ye.S., red.; SAFONOV, V.I., red.

[Evolutionary biochemistry of plants] Evoliutsionnaia bio-
khimiia rastenii. Moskva, Izd-vo "Nauka," 1964. 142 p.
(MIRA 17:4)

1. Moscow. Glavnyy botanicheskiy sad.

MALYGIN, Yu.N., doktor sel'skokhozyaystvennykh nauk

Methods applied for increasing the fertility of soils at
Volokolamsk experimental fields. Zemledelia 7 no.1:55-59
Ja '59. (MIRA 12:1)
(Volokolamsk District--Soil fertility)

USSR / Cultivated Plants. Grains. Legumes. Tropical M-1
Cereals.

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6233

Author : Malygin, Yu. N.

Inst : Volokolamsk Experimental Station

Title : Times of Sowing and the Planting Depth of Corn
Seeds in the Non-Chernozem Belt

Orig Pub : Vestn. s.-kh. nauki, 1958, No 4, 49-54

Abstract : Laboratory-field experiments in sowing corn
for silage were carried out at various times
and at various depths on the Volokolamsk
experimental field at Shakhovskiy Rayon, Mos-
kovskaya Oblast' on medium-podzolic, coarsely
dust-like argillaceous soils in 1954-1955. It
is most profitable to sow corn for silage under
the above indicated conditions at the beginning

Card 1/2

USSR/Cultivated Plants. General Problems.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77564.

Author : Malygin, Yu. N.

Inst :

Title : ~~How to Name Varieties.~~

Orig Pub: Selektsiya i semenovodstvo, 1958, No 1, 52-55.

Abstract: No abstract.

Card : 1/1

USSR / Soil Science. Organic Fertilizers. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48673

Author : Malygin, Yu. N.

Inst : Not given

Title : What Kinds of Bitter Lupines are Necessary and Where

Orig Pub : Zemledeliye, 1957, No 9, 64-68

Abstract : Replying to E. K. Alekseyev's article "Are Narrow-Leaf Bitter Lupines (*Lupinus angustifolius*) Necessary" (Agriculture, 1956, No 12) and citing the data of the experimental stations and of the seed growing practice of the collective farms of the Moscow and other regions of the northern podzolic zone, - the author recommends bringing in, as a matter of priority, the seeds of feed varieties from the regions of commercial

Card 1/2

USSR/Soil Science. Organic Fertilizers.

J-4

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24785.

lupine (10-20 large tubercles per ha.), diluted in
water, 2 liters per 1 c. of seeds.

Card : 3/3

USSR/Soil Science. Organic Fertilizers.

J-4

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24785.

than sowing in the spring. In addition, scarification of seeds is not required. It is recommended to carry out the winter sowing as late in the fall as possible and even in the beginning of winter. It is better to expect soil freezing to a depth of 5-7 cm., in order that in the event of a temperature warming at the surface of the soil, it would remain close to 0°. The sowing is carried out haphazardly, without closing up of the seeds, with the quantity of seed per hectare 35-45 kilo./ha. Sowing with a seeding-machine, the quantity of seed per hectare may be lowered to 25-30 kilog. at the winter sowing, instead of factory nitrogen it is better to apply dry nitrogen from ground roots of lupine. Good results are obtained by injecting the seeds with ground tubercles of

Card : 2/3

USSR/Soil Science. Organic Fertilizers.

J-4

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24785.

Authbr : Malygin, Yu. N

Inst :

Title : Winter Sowing of Perennial Lupine.

Orig Pub: Vestn. s.-kh. nauki, 1957, No 1, 33-37.

Abstract: On the basis of field experiments, conducted in the Volokolamsk experimental field (Moskovskaya Oblast), and of the data of a series of other scientific research institutions and experiments at kolkhozes, it was shown that in the central regions of the non-chernozem belt of the USSR, sowings of perennial lupine, both without cover as well as under a cover of winter crops, are more promising

Card : 1/3

Experience of a Plant (Cont.)

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Senkevich, V. F.; Malygin, Yu. N.; Malygina, L. V. Hardening 37KhS Steel Parts in Hot Media

41

The investigation on which this article is based made it possible to establish optimum conditions for fused-alkali heat treatment of threaded machine parts made of 37KhS steel. The advantages of this method of hardening are demonstrated. This method has already been put into practice at the Urals RR.-car Plant, where a mechanized line for isothermal bright hardening of articles made of 37KhS steel has been set up.

Sagaradze, V. S. Kotel'nikova, R. I. Properties of G13 Manganese Steel as Determined by Chemical Composition and Heat Treatment

54

As a result of the author's investigations: (1) optimum conditions for heat treating parts made of G13L steel were established (2) a method for quality control was proposed (3) the effect of various elements on the properties of this steel was determined, and (4) a table of microstructures was developed

Card 3/5

Experience of a Plant (Cont.)

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made of 20Kh2N4A and 18KhNVA alloy steels. The articles describe the experience of the plant in this field and present the results of an investigation of the effect of various factors on the structure and properties of the case. For further coverage, authors, and references, see Table of Contents.

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Card 2/5

MALYGIN Yu. N.

PHASE I BOOK EXPLOITATION

355

Sagaradze, V. S., Candidate of Technical Sciences, Ed.

Iz opyta raboty zavodskoy metallograficheskoy laboratorii; [sbornik] (Experience of a Plant Metallographic Laboratory; Collection of Articles) Moscow, Mashgiz, 1957, 82 p. 2,000 copies printed.

Tech. Ed.: Yermakov, N. P.; Reviewer: Gol'tsman, D. I., Engineer

PURPOSE: This book is intended for engineers and technicians at machine-building plants (particularly in the heat-treatment shops), research institutes, and laboratories, as well as for students at higher technical schools.

COVERAGE: This is a collection of articles written by workers at the metallographic laboratory of the Ural'skiy vagonostroitel'nyy zavod (Urals Railroad-car Plant in Nizhniy Tagil, Sverdlovskaya Oblast'). It is stated that the investigations on which the articles are based have contributed to the establishment of more efficient methods of heat treatment. The first three articles are concerned with the question of carburizing parts

Card 1/5

MALYGIN, Yu. N.

Dissertation: "The Perennial Lupine in the NonChernozem Belt of the USSR." Dr
Agr Sci, All-Union Sci Res Inst of Fertilizers, Agricultural Engineering and Soil
Science, 2 Jul 54. (Vechernyaya Moskva, Moscow, 23 Jun 54)

SO: SUM 318, 23 Dec 1954

GALYAN, V.S.; YARTSEV, M.A.; KHAYRUTDINOV, R.M.; GOLIKOV, Ye.S.; USHAKOV, S.T.;
MALYGIN, Yu.D.

Use of intermediate products in the making of electric steel.
Metallurg 10 no.3:14-16 Mr '65. (MIRA 18:5)

1. Nauchno-issledovatel'skiy institut metallurgii i Chelyabinskiy
metallurgicheskiy zavod.